

(No Model.)

J. NICAISE.
DRAINING CELLARS.

No. 349,735.

Patented Sept. 28, 1886.

Fig. 1.

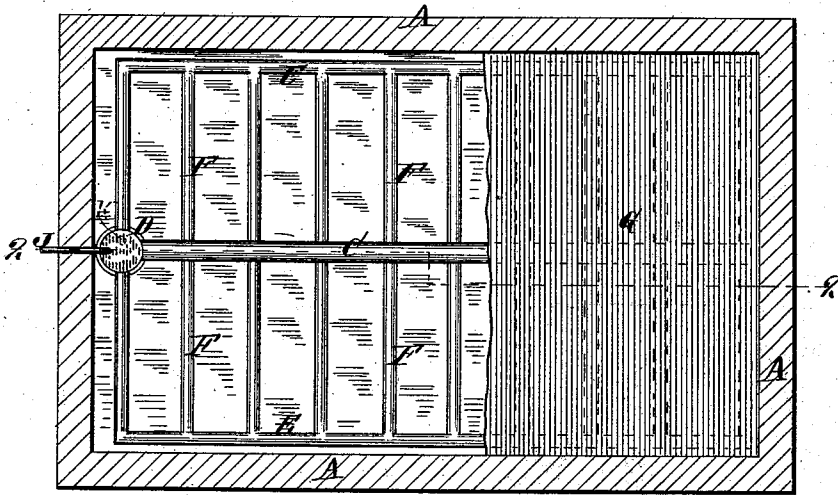


Fig. 2.

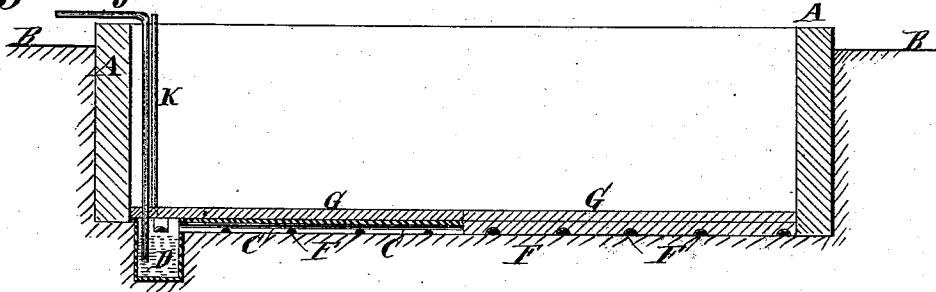
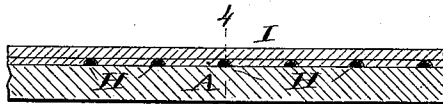
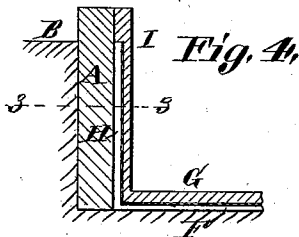


Fig. 3.



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Attest:
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UNITED STATES PATENT OFFICE.

JOSEPH NICAISE, OF COLLINSVILLE, ILLINOIS.

DRAINING CELLARS.

SPECIFICATION forming part of Letters Patent No. 349,735, dated September 28, 1886.

Application filed May 12, 1886. Serial No. 201,988. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH NICAISE, a citizen of the United States, residing at Collinsville, in the county of Madison and State of Illinois, have invented a certain new and useful Improvement in Draining Cellars of water coming through the bottom and side walls.

To carry my invention into effect I grade the bottom of the cellar, so as to carry off water by drain pipes or sewers to a well through one main sewer in the center of the cellar bottom placed lower than the connecting sewers, which pass through the brick lining. These sewers are open at the bottom to allow the water to come up into them from the bottom of the cellar. The brick lining around the side walls is so placed as to leave a vacuum between it and the cellar wall proper. The bottom of the cellar is layed with brick placed on edge over the sewers and over the well. All is laid in cement and cemented on the top to prevent the pressure of water from the bottom coming through. The side lining is laid up with brick the same as the bottom, except the brick is laid flat side down. There are two pipes running from the well to the top of the cellar; one, a discharge-pipe, extending in the well and into the water, the other an air-pipe, extending down just below the top of the well.

Figure 1 is a top view of cellar; Fig. 2, a vertical section on line 2 2 of Fig. 1; Fig. 3, a detail horizontal section of the wall on line 3 3 of Fig. 4; Fig. 4, a vertical section of the wall bottom on line 4 4 of Fig. 3.

A represents walls; B, ground; C, drain; D, well; E, longitudinal side drain; G, brick floor; H, vertical drain; I, brick lining; J, discharge-pipe; K, air-pipe.

Having fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. The center and connecting side drains open on their under sides to the cellar bottom.
2. The combination, with the earth wall of the cellar, of the wall of masonry provided upon its face adjacent to the earth wall with channels, as set forth.
3. The combination, with the bottom of the cellar, of the center drain and the side drains, the latter being higher at the end next wall lining, as set forth.

JOSEPH ^{his} X NICAISE.
mark.

Witnesses:

T. J. THOMAS,
GEORGE HADFIELD.